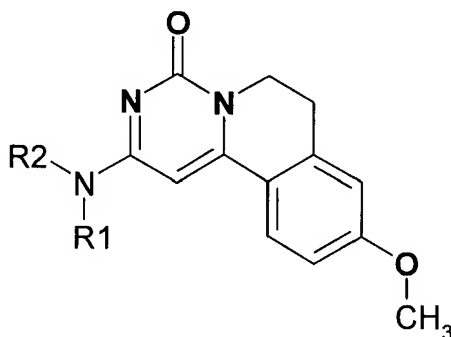


**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

What is claimed is:

Claim 1 (Currently Amended): A compound of the formula I, or a salt, ~~solvate, or a physiologically functional derivative thereof~~



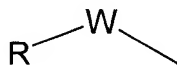
I

in which

R1 is hydrogen, -NH<sub>2</sub>, or C<sub>1-6</sub>alkyl;

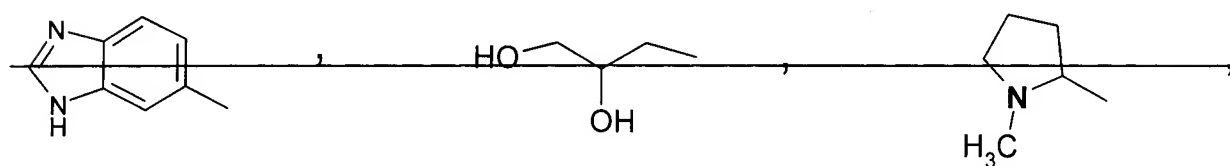
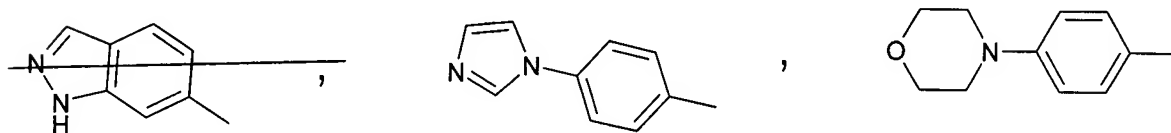
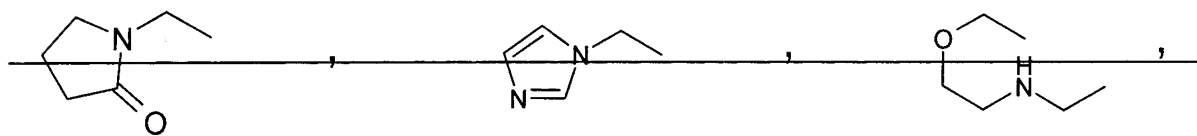
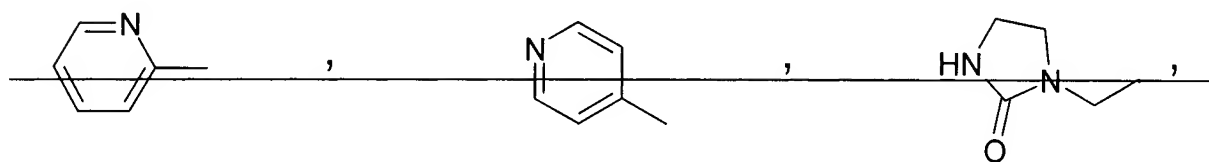
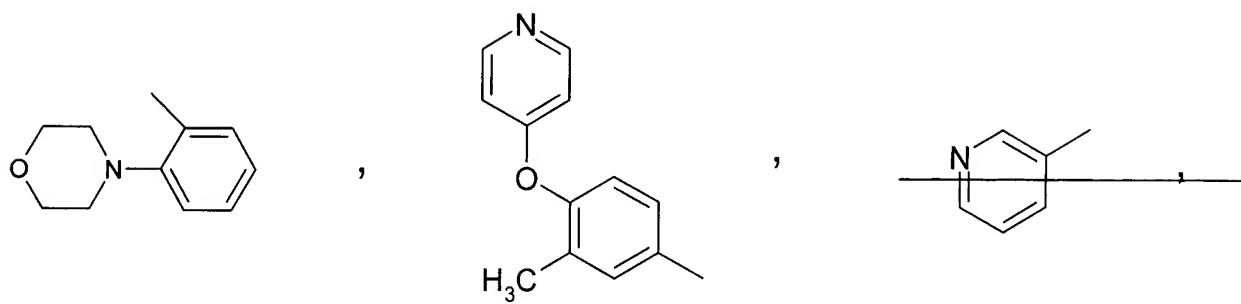
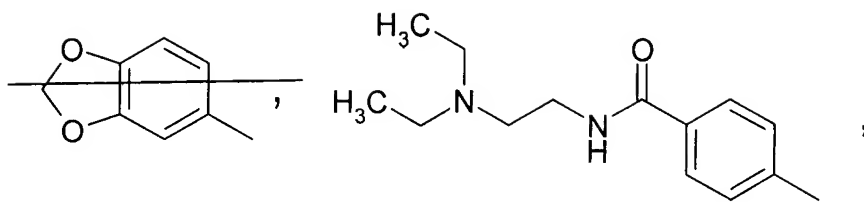
R2 is hydrogen; or

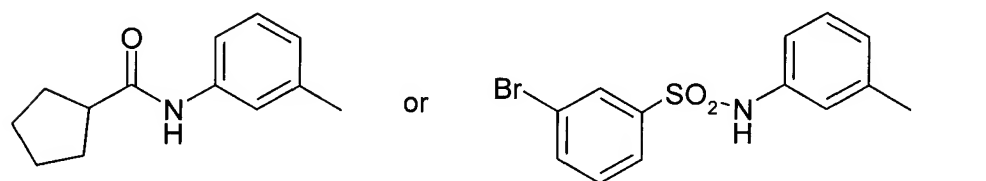
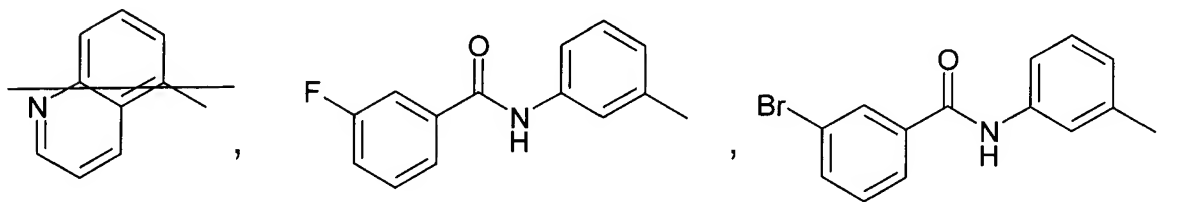
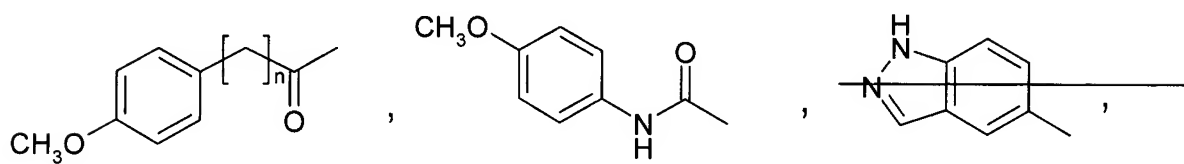
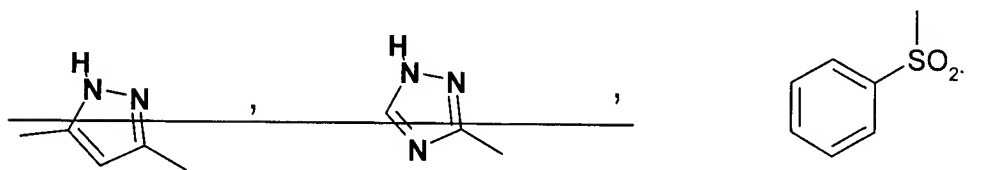
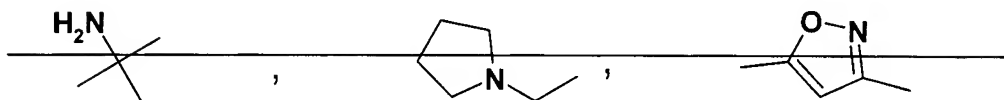
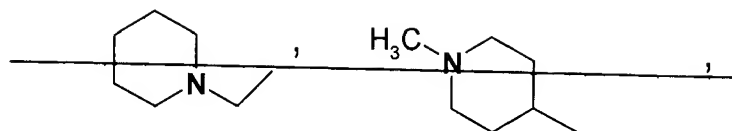
R2 is a radical of the formula



in which W is a bond, -CH<sub>2</sub>-, -CH<sub>2</sub>CH<sub>2</sub>-, -C(=O)-, -NCH<sub>3</sub>-, or -NH-;

R is ~~C<sub>3-6</sub>cycloalkyl, C<sub>1-6</sub>alkyl, hydroxy, -NH<sub>2</sub>, (C<sub>1-6</sub>alkyl)<sub>2</sub>N-, C<sub>1-6</sub>alkylo-, C<sub>4-6</sub>alkyloCH<sub>2</sub>-, phenyl optionally and independently substituted with one to three C<sub>1-6</sub>alkyl, halogen, C<sub>1-6</sub>alkylo-, C<sub>1-6</sub>alkyloC(=O)-, acetyl, NH<sub>2</sub>C(=O)-, FSO<sub>2</sub>-, -CF<sub>3</sub>, NH<sub>2</sub>SO<sub>2</sub>-, dimethylamino; HOCH<sub>2</sub>-, CH<sub>3</sub>NHC(=O)-, hydroxy, or phenyl; or R is a radical of the formula~~





provided that W cannot be CH<sub>2</sub> when point of attachment of R to W is oxygen or nitrogen.

Claim 2 (Currently Amended): The compounds of formula I of claim 1 in which

R<sub>1</sub> is hydrogen, or C<sub>1-6</sub>alkyl;

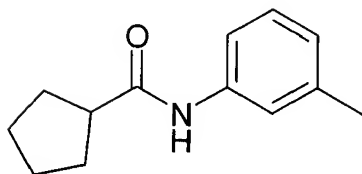
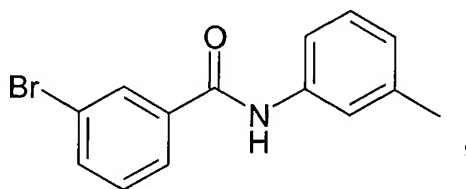
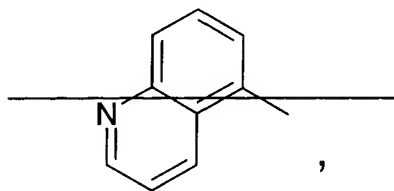
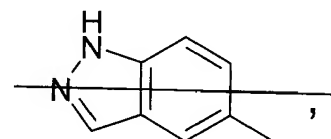
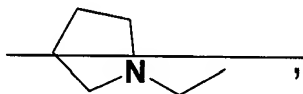
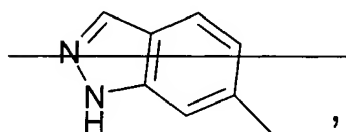
R<sub>2</sub> is hydrogen; or

R<sub>2</sub> is a radical of the formula 

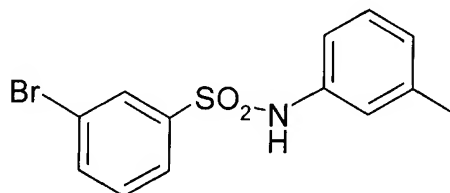
in which W is a bond, -CH<sub>2</sub>-, -CH<sub>2</sub>CH<sub>2</sub>-, -C(=O)-, -NCH<sub>3</sub>-, or -NH-;

~~R is C<sub>1-6</sub>alkyl, hydroxy, NH<sub>2</sub>, (C<sub>1-6</sub>alkyl)<sub>2</sub>N-, C<sub>1-6</sub>alkylo-, C<sub>1-6</sub>alkyloCH<sub>2</sub>-, phenyl optionally and independently substituted with one to three C<sub>1-6</sub>alkyl, halogen, C<sub>1-6</sub>alkylo-, C<sub>1-6</sub>alkyloC(=O)-, -CF<sub>3</sub>, NH<sub>2</sub>SO<sub>2</sub>-, hydroxy, or phenyl; or~~

R is a radical of the formula



or



~~provided that W cannot be CH<sub>2</sub> when point of attachment of R to W is oxygen or nitrogen.~~

Claims 3-4 (Cancelled):

Claim 5 (Previously Presented) A compound of claim 1 that is 2-(2,6-dimethoxy-phenylamino)-9-methoxy-6,7-dihydro-pyrimido[6,1-a]isoquinolin-4-one.

Claim 6 (Cancelled):

Claim 7 (Previously Presented): A compound of claim 1 that is 9-methoxy-2-(2-methoxy-6-methyl-phenylamino)-6,7-dihydro-pyrimido[6,1-a]isoquinolin-4-one .

Claim 8 (Cancelled):

Claim 9 (Previously Presented): A compound of claim 1 that is 2-(2-bromo-phenylamino)-9-methoxy-6,7-dihydro-pyrimido[6,1-a]isoquinolin-4-one.

Claim 10 (Previously Presented): A compound of claim 1 that is 3-(9-methoxy-4-oxo-6,7-dihydro-4H-pyrimido[6,1-a]isoquinolin-2-ylamino)-benzenesulfonamide.

Claim 11 (Previously Presented): A compound of claim 1 that is 2-(2-chloro-phenylamino)-9-methoxy-6,7-dihydro-pyrimido[6,1-a]isoquinolin-4-one.

Claim 12 (Previously Presented): A compound of claim 1 that is 2-(2,6-dimethyl-phenylamino)-9-methoxy-6,7-dihydro-pyrimido[6,1-a]isoquinolin-4-one.)

Claim 13 (Previously Presented): A compound of claim 1 that is 2-(2-bromo-6-fluoro-phenylamino)-9-methoxy-6,7-dihydro-pyrimido[6,1-a]isoquinolin-4-one.

Claim 14 (Previously Presented): A compound of claim 1 that is 2-(3-methoxy-phenylamino)-9-methoxy-6,7-dihydro-pyrimido[6,1-a]isoquinolin-4-one.

Claim 15 (Previously Presented): A compound of claim 1 that is 2-(2-hydroxy-6-methyl-phenylamino)-9-methoxy-6,7-dihydro-pyrimido[6,1-a]isoquinolin-4-one.

Claim 16 (Previously Presented): A compound of claim 1 that is 9-methoxy-2-(4-methoxy-biphenyl-3-ylamino)-6,7-dihydro-pyrimido[6,1-a]isoquinolin-4-one.

Claim 17 (Previously Presented): A compound of claim 1 that is 3-(9-methoxy-4-oxo-6,7-dihydro-4H-pyrimido[6,1-a]isoquinolin-2-ylamino)-benzoic acid ethyl ester.

Claim 18 (Previously Presented): A compound of claim 1 that is 9-methoxy-2-(2-methoxy-phenylamino)-6,7-dihydro-pyrimido[6,1-a]isoquinolin-4-one.

Claim 19 (Previously Presented): A compound of claim 1 that is 9-methoxy-2-(2-trifluoromethyl-phenylamino)-6,7-dihydro-pyrimido[6,1-a]isoquinolin-4-one.

Claim 20 (Previously Presented): A compound of claim 1 that is 2-(4-chloro-2,6-dimethyl-phenylamino)-9-methoxy-6,7-dihydro-pyrimido[6,1-a]isoquinolin-4-one.

Claim 21 (Cancelled):

Claim 22 (Previously Presented): A compound of claim 1 that is 2-(2-chloro-5-methoxy-phenylamino)-9-methoxy-6,7-dihydro-pyrimido[6,1-a]isoquinolin-4-one.

Claim 23 (Previously Presented): A compound of claim 1 that is 2-[N'-(2-bromophenyl)-hydrazino]-9-methoxy-6,7-dihydro-pyrimido[6,1-a]isoquinolin-4-one.

Claim 24 (Previously Presented): A compound of claim 1 that is 9-methoxy-2-(N'-methyl-N'-phenyl-hydrazino)-6,7-dihydro-pyrimido[6,1-a]isoquinolin-4-one.

Claims 25-29 (Cancelled):

Claim 30 (Previously Presented): A compound of claim 1 that is 9-methoxy-2-(4-methoxy-benzylamino)-6,7-dihydro-pyrimido[6,1-a]isoquinolin-4-one.

Claim 31 (Previously Presented): A compound of claim 1 that is 9-methoxy-2-(3-methoxy-benzylamino)-6,7-dihydro-pyrimido[6,1-a]isoquinolin-4-one.

Claim 32 (Previously Presented): A compound of claim 1 that is 3-bromo-N-[3-(9-methoxy-4-oxo-6,7-dihydro-4H-pyrimido[6,1-a]isoquinolin-2-ylamino)-phenyl]-benzamide.

Claim 33 (Previously Presented): A compound of claim 1 that is cyclopentanecarboxylic acid [3-(9-methoxy-4-oxo-6,7-dihydro-4H-pyrimido[6,1-a]isoquinolin-2-ylamino)-phenyl]-amide.

Claim 34 (Previously Presented): A compound of claim 1 that is 3-bromo-N-[3-(9-methoxy-4-oxo-6,7-dihydro-4H-pyrimido[6,1-a]isoquinolin-2-ylamino)-phenyl]-benzenesulfonamide.

Claim 35 (Cancelled):

Claim 36 (Previously Presented): A compound of claim 1 that is 2,4,6-trichloro-N-(9-methoxy-4-oxo-6,7-dihydro-4H-pyrimido[6,1-a]isoquinolin-2-yl)-benzamide.

Claim 37 (Previously Presented): A compound of claim 1 that is 2-methoxy-N-(9-methoxy-4-oxo-6,7-dihydro-4H-pyrimido[6,1-a]isoquinolin-2-yl)-acetamide.